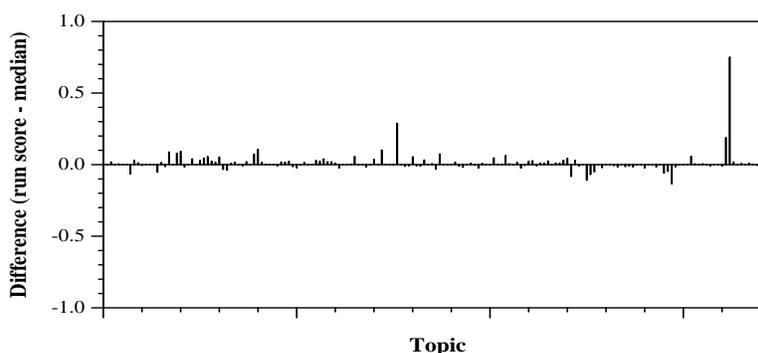
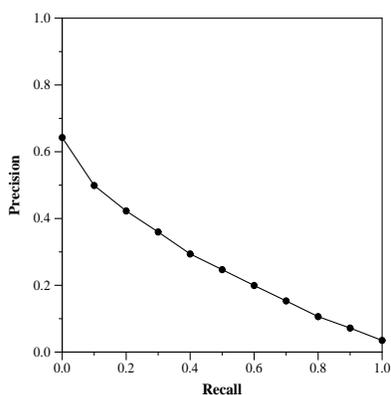


Conversational Assistance Track results — (CMU) Carnegie Mellon University (Callan)

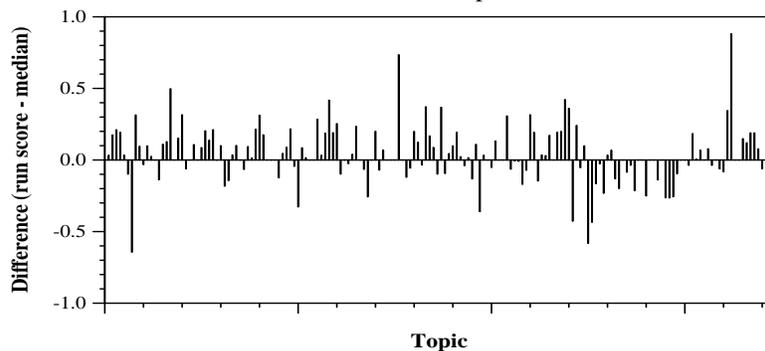
Run Description	
Run ID	ensemble
Topic type	Automatic
Conversation Understanding	heuristic rules; NLP toolkit; coreference resolution; deep learning; data provided in the CAsT Y1 training dataset
Ranking Features	unsupervised
Context Features	previous turns

Overall measures	
Number of topics	173
Total number retrieved	157036
Total relevant	8120
Total relevant retrieved	6576
MAP @ 5	0.0449
Mean NDCG @ 5	0.3010
Mean NDCG @ 1000	0.4918

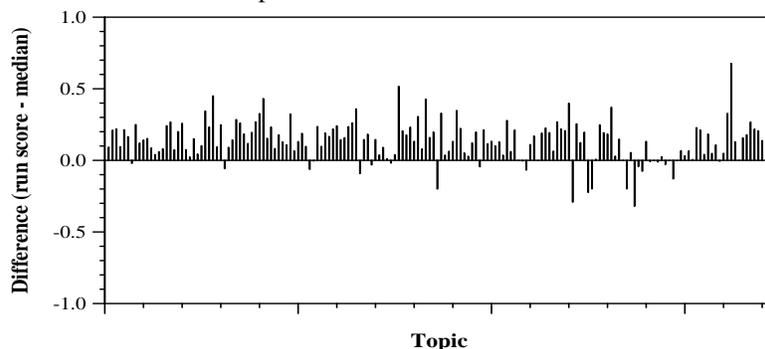
Document Level Averages	
	Precision
At 5 docs	0.4532
At 10 docs	0.4364
At 15 docs	0.4158
At 20 docs	0.3974
At 30 docs	0.3486



Per-topic difference from median AP@5



Per-topic difference from median NDCG@5



Per-topic difference from median NDCG@1000